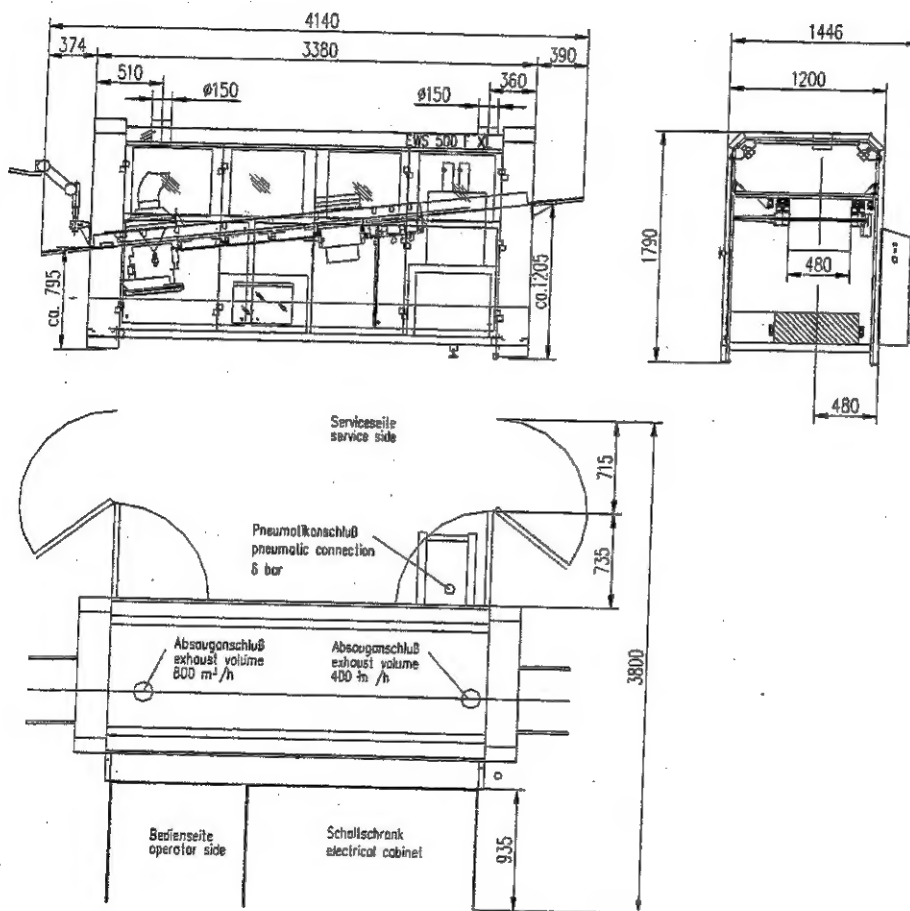


3. Technical data

3.1 System, complete

Outside dimensions: see figure



Dead weight: Approx. 1.400 kg

Power consumption: max. 59 kW

Input power: 3-phase 230/400 V, N, PE, corresp. DIN IEC 38
 $f_{Nom} = 50 \text{ Hz}$, $I_{Nom} = 89.5 \text{ A}$

Max. fuse: 3 x 100 A slow blow

3.2 Fluxer module

3.2.1 Foam fluxer

Flux capacity:	approx. 4.5 liters (fluxer pan)
Working width:	450 / 500 mm
Foam height:	approx. 10 mm
Flux storage tank:	max 12 liters

3.2.2 ERSA Spray fluxer ESF

(see operating instructions – chapter 12, appendix)

3.2.3 Automatic density control device

Density measuring range:	0.75 – 0.85 g/cu.cm
(TA = 20 Degree C)	0.80 – 0.90 g/cu.cm
	0.85 – 0.95 g/cu.cm

Resolution:	0.001 g/cu.m
Measurement and control accuracy:	+/- 0.002 g/cu.cm

Storage tanks:

Mixing tank	max. 12 liters <i>(large chamber on the right)</i>
Solvent tank	max. 6 liters <i>(small chamber on the left)</i>

Solvent pump:

Pumping time per digit deviation	approx. 2 sec
Mixing time:	approx. 3 min
<i>(Time between 2 pumping cycles)</i>	

3.2.4 Flux blow-off device

Working width:	500 mm
Blow-off pressure:	0...3 bar (infinitely variable)
Pneumatic connection:	min. 4 bar
Recommended blow-off pressure:	0.3 – 0.4 bar

3.3 Preheating module

3.3.1 Medium-wave heater cassette

Power:	max. 4 kW (5 emitters, each 800 W)
Radiant temperature:	400...600°C
Effective preheating width:	approx. 500 mm
Dimensions:	Width 660 mm Length 300 mm
Heating-up time (max. temperature):	approx. 5 min

3.3.2 Short-wave emitter unit

Power:	6.6 kW (3 emitters, each 2.2 kW)
Effective preheating width:	approx. 500 mm
Dimensions:	Width 650 mm Length 150 mm

3.3.3 Dynamic preheating cassette

Power: max. 13.2 kW
(6 emitters, each 2.2 kW)

Effective preheating width: approx. 500 mm

Dimensions: Width 650 mm
Length 400 mm

3.3.4 Convection preheating module

Power: max. 9.9 kW

Effective preheating width: ca. 500 mm

Dimensions: Width 350 mm
Length 830 mm

3.4 Soldering module

3.4.1 Wave soldering machine LM 9

Power:	ca. 10.2 kW
Heating-up time:	ca. 3.5 h
Weight without solder:	approx. 90 kg
Solder capacity:	approx. 550 kg (with alloy Sn/Pb 64/36)
Effective wave width:	480 mm
Wave height:	max. approx. 10 mm
Solder temperature:	230 - 300°C
Temperature accuracy:	+ - 1 % of target value
Shaft rotational speed:	200 – 600 rpm

3.5 Conveyor system

3.5.1 Finger conveyor sytem (frameless)

Conveyor speed:	0.5...2.5 m/min
Conveyor angle adjustment:	7 degrees
Working width:	480 mm

3.6 Cooling module

Working width:	500 mm
Pneumatic connection:	min. 4 bar
Compressed-air cooling:	0...3 bar (Infinitely variable)
Recommended setting:	approx. 1 bar

3.7 Exhaust system

Connecting dimensions: See figure, chapter 3, page 1

Extraction rate at exhaust port: each exhaust port min. 400 cu.m / h or 111.11 LTRS PER SEC.
for ERSA Spray fluxer ESF
min. 800 cu.m / h or 222.22 LITRES PER SECOND

3.8 Permanent noise level

It is confirmed that the permanent noise level does not exceed 85 dB (A).

Subject to technical changes !